

Power supplies – Overview

connectPower 1ph PROeco



- Single-phase switched-mode power supply modules
- Slim design
- Large temperature range from -25 °C to 70 °C
- Three-coloured LED indicators for simple error detection
- Advanced visual warning at 90 % rated output current
- International approvals

connectPower 3ph PROeco



- 3-phase switched-mode power supply modules
- Slim design
- Large temperature range from -25 °C to 70 °C
- Three-coloured LED indicators for simple error detection
- Advanced visual warning at 90 % rated output current
- International approvals

connectPower diode modules



- Diode module for 100 % decoupling of switched-mode power supply modules
- Optimum doubling of output power
- Redundancy operation
- Up to 40 A output current can be set
- International approvals

connectPower 1ph PROmax



- Single-phase switched-mode power supply modules
- Very slim design
- High degree of efficiency
- Power category 70...1,000 W
- Up to five devices can be connected in parallel without a diode module
- International approvals

connectPower 3ph PROmax



- 3-phase switched-mode power supply modules
- Very slim design
- High degree of efficiency
- Power category 120...1,000 W
- Up to five devices can be connected in parallel without a diode module
- International approvals

connectPower PRO-M Extension modules



- Capacity module for increasing the peak current
- Diode modules for redundant construction
- Relay module for monitoring the output voltage

connectPower PRO-M Application solutions



- Wide-range input
85...264 V AC
80...430 V DC
- Alarm relay
- Metal snap-on foot
- International approvals

connectPower 1ph PROtop



- Single-phase switched-mode power supplies
- High MTBF values
- Cl. I Div. 2 + ATEX
- Performance class: 70 to 600 W
- Output: 12, 24, 36 and 48 V DC

connectPower 3ph PROtop



- Multi-phase switched-mode power supplies
- 85...132 / 187...550 V AC
- UL approval
- Performance class: 180 to 600 W

connectPower PRO-E



- Wall mounting
- Flat design
- Metal housing
- Performance classes from 25 W to 350 W
- Universal input and output voltages

connectPower 1ph INSTAPOW



- Single-phase switched-mode power supply modules for the distribution board
- Compact form
- Power category 24 and 48 W
- Universal input and output voltage 5...48 V
- International approvals

connectPower DC/DC converters



- Compact form
- Metal housing
- International approvals
- High degree of efficiency

connectPower UPS control unit



- Two 24 V models in 10 A/20 A and 40 A
- Temperature-compensated charging feature, for a long battery life
- Integrated battery diagnostics including continuous availability test
- Status relay and additional transistor outputs for remote monitoring
- Convenient LED displays for easy error analysis

connectPower battery module



- Maintenance-free, lead-acid batteries from 1.3 Ah to 17 Ah
- Integrated temperature sensor for optimal battery charging
- Integrated fuse for reliable activation
- Support capacity up to 40 A / 30 min or 10 A / 90 min
- Robust metal housing for wall mounting

connectPower buffer module



- Maintenance-free UPS on a capacitor basis, with a capacity to support 20 A / 200 ms
- Parallel switching to increase the output current or support time
- Status notification via LED and relay contact

maxGUARD





- Electronic load monitoring
- Optical message display and potential-free (floating) contact
- Reset input
- Compact construction

Electrical cabinet socket outlet



- Simple installation in electrical cabinet
- TS 35 module can be rail mounted
- VDE mark of conformity
- Two-pole with earthing contact

Page	Series / family	Input side			Output side			Additional functions				Recommendation for application						Order No.										
	Description	Phases	AC input voltage [V]	DC input voltage [V]	Rated voltage [V]	Rated current [A]	Power rating [V]	Derating at [°C]	Load reserve [60 s]	Status relay	Side-by-side connectability	Temperature range [°C]	Efficiency [%]	MTBF time [Mh]	Surge category	Approvals	Field cabinets	Small and series machine construction	Machine construction and plant manufacture	Simple process applications	Process industry	Energy technology	Power distribution	Marine engineering				
PROtop A.30	PRO TOP1 72W 24V 3A	1	85-277	80-410	24	3	72	> 60	130 % permanently ≤ 40 °C	NO		-25 to +75	90	> 1	III	 										2466850000		
	PRO TOP1 120W 24V 5A	1	85-277	80-410	24	5	120		NO			91															2466870000	
	PRO TOP1 240W 24V 10A	1	85-277	80-410	24	10	240		NO			92,5																2466880000
	PRO TOP1 480W 24V 20A	1	85-277	80-410	24	20	480		NO			93,5																2466890000
	PRO TOP1 960W 24V 40A	1	85-277	80-410	24	40	960		NO			94,5																2466900000
	PRO TOP1 120W 12V 10A	1	85-277	80-410	12	10	120		NO			91																2466910000
	PRO TOP1 480W 48V 10A	1	85-277	80-410	48	10	480		NO			93,5																2467030000
	PRO TOP1 960W 48V 20A	1	85-277	80-410	48	20	960		NO			94,5															2466920000	
	PRO TOP3 120W 24V 5A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	24	5	120		NO			87,1																2467060000
	PRO TOP3 240W 24V 10A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	24	10	240		NO			93,5																2467080000
	PRO TOP3 480W 24V 20A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	24	20	480		NO		Start-up @ -40 °C	94															2467100000	
	PRO TOP3 960W 24V 40A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	24	40	960		NO			95,4															2467120000	
	PRO TOP3 480W 48V 10A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	48	10	480		NO			94															2467150000	
	PRO TOP3 960W 48V 20A	2/3	3 x 320-3 x 575/ 2 x 360-2 x 575	450-800 (max. 500 nach UL508)	48	20	960		NO			95,4															2467170000	

Series / family		Input side		Output side			Additional functions				Recommendation for application				Order No.					
Page	Description	AC input voltage [V]	DC input voltage [V]	Rated voltage [V]	einstellbarer Bereich [V]	Rated current [A]	Power rating [W]	Status relay	Parallel connection option	Side-by-side connectability	Temperature range [°C]	MTBF time [Mh]	Approvals	Field cabinets	Energy technology	Marine engineering				
DC/DC A.64	PRO DCDC 120W 24V 5A		18-31,2	24	22,5-29,5	5	120	≤ 5	●	●	-25 to +70	> 1 III		●	●	●	●	2001800000		
	PRO DCDC 240W 24V 10A		18-31,2	24	22,5-29,5	10	240	●	≤ 5	●			●	●	●	●	●	●	2001810000	
	PRO DCDC 480W 24V 20A		18-31,2	24	22,5-29,5	20	480	●	≤ 5	●			●	●	●	●	●	●	2001820000	
USV B.4	CP DC BUFFER 24 V 20 A		22,5-30	24		20	480	●		●	0 to +40							1251220000		
	CP DC UPS 24 V 20 A/10 A		20-30	U _{in} -0,3		20/10	480/240	●		●			●	●	●	●	●	●	1370050010	
	CP DC UPS 24 V 40 A		20-30	U _{in} -0,3		40	960	●		●			●	●	●	●	●	●	1370040010	
	CP A BATTERY 24 V DC 1,3 Ah			24		10 A / 11,3 min	1,3 Ah	≤ 2	●	●			●	●	●	●	●	●	●	1406930000
	CP A BATTERY 24 V DC 3,4 Ah			24		10 A / 11,3 min	3,4 Ah	≤ 2	●	●			●	●	●	●	●	●	●	1251070000
	CP A BATTERY 24 V DC 7,2 Ah			24		10 A / 26,5 min	7,2 Ah	≤ 2	●	●			●	●	●	●	●	●	●	1251080000
	CP A BATTERY 24 V DC 12 Ah			24		10 A / 51 min	12 Ah	≤ 2	●	●			●	●	●	●	●	●	●	1251090000
CP A BATTERY 24 V DC 17 Ah			24		10 A / 81 min	17 Ah	≤ 2	●	●	●	●	●	●	●	●	●	1251110000			
Diode module A.12	PRO DM 10		0-60	24	0-60	20	480			●	-40 to +70	> 750 III		●	●	●	●	2486070000		
	PRO DM 20		0-60	24	0-60	40	960			●			●	●	●	●	●	●	2486080000	
	CP M DM 20 (Diodenmodul)		18-30	U _{in} -0,7		20		●	≤ 5	●			●	●	●	●	●	●	1222210000	
	CP M DM 40 (Diodenmodul)		18-30	U _{in} -0,7		40		●	≤ 5	●			●	●	●	●	●	●	1222220000	
A.25	CP M CAP (Kapazitätsmodul)		18-30	U _{in}		40 A/1 ms		●	≤ 5	●								1222240000		
INSTAPOWVER A.58	CP SNT 25 W 5 V 5 A	85-264	110-370	5	4-8	5	25	≤ 3	●	●	-10 to +70							8754960000		
	CP SNT 48 W 12 V 4 A	85-264	110-370	12	9-15	4	48	≤ 3	●	●			●	●	●	●	●	●	8754970000	
	CP SNT 48 W 24 V 2 A	85-264	110-370	24	15-28	2	48	≤ 3	●	●			●	●	●	●	●	●	8739140000	
	CP SNT 48 W 48 V 1A	85-264	110-370	48	46-55	1	48	≤ 3	●	●			●	●	●	●	●	●	8879230000	